

5       **METHOD AND SYSTEM FOR MANAGING PARALLEL DATA  
TRANSFER THROUGH MULTIPLE SOCKETS TO PROVIDE  
SCALABILITY TO A COMPUTER NETWORK**

**ABSTRACT OF THE DISCLOSURE**

- 10       A method and system for managing the transfer of data in parallel through multiple sockets. The present invention facilitates the use of multiple sockets and avoid monopolization of a socket by releasing the socket as soon as data from a client request has been sent to a server application. The present invention also includes a novel socket assignment technique that assigns only available sockets. This novel socket  
15      assignment technique avoids bottlenecking and delays due to socket contention and increases efficiency. The socket assignment technique of the present invention can assign sockets using a round robin technique, which assigns a server application to a first available socket, a random technique, which assigns a server application randomly to an available socket, or a user-defined technique, which assigns a thread to an  
20      available socket as determined by a user.